

Drofa, V. K. and Chernoga, N. A.
PHOTOGRAPHING CLASSICLE DIVISIONS. 10 Oct 63, 5p
FTD-TT-62-959 (p. 225-229).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 225-229)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Tudy, Moscow, 1960.

DESCRIPTIONS: *Astronomical cameras

(Astronomy--Astrophysics, TT, v. 11, no. 5)

TT-64-13176 (p. 225-229)

- I. Drofa, V. K.
- II. Chernoga, N. A.
- III. FTD-TT-62-959
(p. 225-229)
- IV. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Efimov, A. A., Otryashenkov, Yu. M., and
Sukharev, L. A.

PHOTOELECTRIC METHOD OF READING THE
CIRCLES OF MERIDIAN INSTRUMENTS. 10 Oct 63,
6p 2refs FTD-TT-62-959 (p. 230-235).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 230-235)

Unedited rough draft trans. from mono. *Astrometri-
cheskaya Konferentsiya SSSR* (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Micrometers, Photoelectric effect,
Telescopes

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 230-235)

- I. Efimov, A. A.
- II. Otryashenkov, Yu. M.
- III. Sukharev, L. A.
- IV. FTD-TT-62-959
(p. 230-235)
- V. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

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Fatchikhin, N. V.
REFERENCING STARS TO GALAXIES. 10 Oct 63, 11p
11refs FTD-TT-62-959 (p. 235a-245).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 235a-245)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Stars, *Galaxies, *Astrophysics,
Photography, Motion

(Astronomy--Astrophysics, TT, v. 11, no. 5)

TT-64-13176 (i. 235a-245)

- I. Fatchikhin, N. V.
- II. FTD-TT-62-959
(p. 235a-245)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

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Onegina, A. B.
THE ACCURACY OF POSITION MEASUREMENTS OF
GALAXIES MADE WITH THE GOLOSEEVO 400-mm
ASTROGRAPH. 10 Oct 63, 6p 4refs FTD-TT-62-959
(p. 246-251).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 246-251)

Unedited rough draft trans. from mono. *Astrometri-
cheskaya Konferentsiya SSSR* (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Galaxies, Astronomy, Photography,
Stars, Measurement, Telescopes

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 246-251)

- I. Onegina, A. B.
- II. FTD-TT-62-959
(p. 246-251)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Chudovicheva, O. N.
THE RESULTS OF OBSERVATIONS OF MINOR
PLANETS AT PULKOVO FROM 1949-58. 10 Oct 63,
5p FTD-TT-62-959 (p. 252-256).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 252-256)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Planets, Astronomy, Photography

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 252-256)

- I. Chudovicheva, O. N.
- II. FTD-TT-62-959
(p. 252-256)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Bugoslavskaya, E. Ya. and Sosnova, A. K.
THE USE OF THE "STRELA" ELECTRONIC COM-
PUTER IN CERTAIN PROBLEMS OF ASTROMETRY.
10 Oct 63, 7p FTD-TT-62-959 (p. 257-263).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 257-263)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Computers, *Astronomical data,
Planets, Stars, Motion, Astrophysics

(Astronomy--Astrophysics, TT, v. 11, no. 5)

TT-64-13176 (p. 257-263)

- I. Bugoslavskaya, E. Ya.
- II. Sosnova, A. K.
- III. FTD-TT-62-959
(p. 257-263)
- IV. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

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Kolchinskii, I. G.
AN INVESTIGATION OF TREMORS OF STELLAR
IMAGES AT THE GOLOSEEVO OBSERVATORY.
10 Oct 63, 18p 6rfa PTD-TT-62-959 (p. 264-281).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 264-281)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Stars, *Optical images, Vibration,
Statistical functions, Photography, Astronomy

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 264-281)

- I. Kolchinskii, I. G.
- II. PTD-TT-62-959
(p. 264-281)
- III. Foreign Tech. Div.,
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Fedorov, E. P.

CERTAIN CONSIDERATIONS REGARDING THE
ORGANIZATION OF WORK ON THE STUDY OF
POLAR MOTION. 10 Oct 63, 11p 6refs FTD-TT-
62-959 (p. 291-301).

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(p. 291-301)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Astronomical geodesics

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

TT-64-13176 (p. 291-301)

- I. Fedorov, E. P.
- II. FTD-TT-62-959
(p. 291-301)
- III. Foreign Tech. Div.,
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Sakharov, V. I.
THE OSCILLATION OF THE EARTH'S AXIS OF
INERTIA. 10 Oct 63, 8p 8refs FTD-TT-62-959
(p. 329-336).
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(p. 329-336)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Earth, *Geodesics, Oscillation,
Inertia, *Atmospheric motion

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

TT-64-13176 (p. 329-336)

- I. Sakharov, V. I.
- II. FTD-TT-62-959
(p. 329-336)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Rubanshevskii, A. A.
THE LABROUSTE METHOD AND A COMPARISON OF
THE SELECTIVITY OF THE COMBINATIONS OF
A. YA. ORLOV AND P. MELCHIOR. 10 Oct 63, 11p
2refs FTD-TT-62-959 (p. 318-328).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 318-328)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Astronomical geodesics

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

TT-64-13176 (p. 318-328)

- I. Title: Labrouste method
- I. Rubanshevskii, A. A.
- II. Orlov, A. Ya.
- III. Melchior, P.
- IV. FTD-TT-62-959
(p. 318-328)
- V. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Panchenko, N. I.
ON THE DAMPING OF THE FREE NUTATION OF
THE EARTH. 10 Oct 63, 19p 12refs FTD-TT-62-959
(p. 337-355).

Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 337-355)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Earth, Oscillation, Damping,
*Geodesics

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

TT-64-13176 (p. 337-355)

- I. Panchenko, N. I.
- II. FTD-TT-62-959
(p. 337-355)
- III. Foreign Tech. Div.,
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Andreenko, N. R.
INVESTIGATION OF THE TALCOTT LEVELS OF
THE ZTL-180 ZENITH TELESCOPE AT PULKOVO.
10 Oct 63, 3p 3refs FTD-TT-62-959 (p. 396-398)
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 396-398)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Telescopes, Stabilization systems

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 396-398)

- I. Andreenko, N. R.
- II. FTD-TT-62-959
(p. 396-398)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Andreenko, N. R.
THE INVESTIGATION OF THE PERIODIC AND
PROGRESSIVE ERRORS OF THE MICROMETER OF
THE ZTL-180 ZENITH TELESCOPE AT PULKOVO.
10 Oct 63; 10p 4refs FTD-TT-62-959 (p. 399-408).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 399-408)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Telescopes, *Micrometers, Errors,

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 399-408)

- I. Andreenko, N. R.
- II. FTD-TT-62-959
(p. 399-408)
- III. Foreign Tech. Div.,
Air Force Systems
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Office of Technical Services

Chudovicheva, N. A.
THE NEW ZENITH TELESCOPE OF THE ENGEL-
HARDT ASTRONOMICAL OBSERVATORY AND THE
FIRST SERIES OF OBSERVATIONS. 10 Oct 63, 5p
FTD-TT-62-959 (p. 422-426)
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 422-426)

Unedited rough draft trans. from mono. *Astrometri-
cheskaya Konferentsiya SSSR* (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Telescopes, *Astronomical geodesics,

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

TT-64-13176 (p. 422-426)

- I. Chudovicheva, N. A.
- II. FTD-TT-62-959
(p. 422-426)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Prodan, Yu. I., Golikova, T. I., and Nesterov, V. V.
RESULTS OF PRELIMINARY INVESTIGATION OF
THE ZENITH TELESCOPE AT THE MOSCOW
SHTERNBERG ASTRONOMICAL OBSERVATORY.
10 Oct 63, 13p 5refs FTD-TT-62-959 (p. 409-421).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 409-421)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Telescopes, Micrometers, Tests,

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 409-421)

- I. Prodan, Yu. I.
- II. Golikova, T. I.
- III. Nesterov, V. V.
- IV. FTD-TT-62-959
(p. 409-421)
- V. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Kulagin, S. G., Deminovich, E. G., and
Kovbasyuk, L. D.
OBSERVATIONS OF BRIGHT ZENITH STARS BASED
ON A FOUR-GROUP PROGRAM FROM 1957.3
THROUGH 1958.4 AT THE K. K. DUBROVSKII
LATITUDE STATION IN GOR'KII. 10 Oct 63, 6p
4refs FTD-TT-62-959 (p. 427-432)
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(p. 427-432)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Astronomical geodesics, Astronomy,
Stars,

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

TT-64-13176 (p. 427-432)

- I. Kulagin, S. G.
- II. Deminovich, E. G.
- III. Kovbasyuk, L. D.
- IV. FTD-TT-62-959
(p. 427-432)
- V. Foreign Tech. Div.,
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Astrometrical Measurements of Moon
Photographs with a Photoelectric
Device, by N. P. Bystrov, 6 pp.
RUSSIAN, per Trudy, Akad Nauk SSSR,
15 Y Astrometricheskoy Konferentsii
SSSR, 1960, 1963, pp 403-406.
PTD-IT-64-1248 2607093

N.P. Bystrov

Oct-76
Jun 65

282,512

Photographic Photometry of Venus, by V. I. Yezerkiy,
114 pp.

RUSSIAN, per, Trudy Astron Observ imeni A. M. Gor'kogo,
Kharkovskogo Gosudarstvennogo Universiteta, Vol XII,
1957, pp 73-165.

STL-TR-61-5110-40

Sci - Phys

Sep 61

CIA/FDD X-4711

167,006

Special Geodetic Assignment: XLV. Determination of
the Force of Gravity for the Kazan' Astronomic
Observatory, 12 pp.

RUSSIAN, per, Trudy Astronomicheskoy Observatorii
Imperatorskogo Kazanskogo Universiteta, No XXV,
Kazan', 1915.

AF SIR-3017

Sci - Geofiz
Jun 59

89,000

SLOPE ANGLES OF LOOSE MATERIALS AND HYPOTHESES OF
THE DUST NATURE OF THE LUNAR SURFACE, BY N. S. ORLOV
9 PP. A,

RUSSIAN, PER, TRUDY ASTRONOMICHESKOY OBSERVATORII,
NO 307, 1962, PP 179-186.

JPRS 20167

SCI - EARTH SCI & ASTRON
JUL 63

~~235,055~~

235,055

Handy to 3491/APL 742

DETERMINATION OF THE FIGURE OF THE EARTH THROUGH
ANOMALIES OF THE VERTICAL GRADIENT OF GRAVITY,
BY S. V. GROMOV, 9 PP.

RUSSIAN, PER, TRUDY, ASTRONOMICHESKOY OBSERVATORII,
NO 307, 1962, PP 234-242.

JPRS 20167

SCI - EARTH SCI & ASTRON
JUL 63

Navy, In 3476/APL 665-
235, 60

Determination of Propagation of Short-wave
Signals by the Characteristic Distortions at
the Point of Reception, by N.A. Tel'pukhovskiy.

16 pp.

RUSSIAN, per, Trudy AN SSSR. 15-y Astometri-
cheskoy Konferentsii SSSR, Glavnaya Astronomi-
cheskaya Observatoriya (Pulkovo), 1963,

pp 365-373. 9700931

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Sci/Electronics

Aug 66

306,238

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Assessment of the Effect of Current and Wind
on Trawling, by G. E. Bidenko,
RUSSIAN, per, Trudy Atlant. Miro, Vol X,
1963, pp 261-265.
Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

Sci-Bar Sci
May 67

326,849

Calculation of the Height of Trim for a Particular Example of Strain Exerted on the Net, by N. N. Andreyev, RUSSIAN, per, Trudy Atlant. MIRO, Vol X, 1963, pp 266-282.

Dept of Interior
Fish and Wildlife Service
Bureau of Commercial Fisheries

Sci-Phys
May 67

326,848

Calculation of the Height of Trim for a Particular
Example of Strain Exerted on the Net, by

N. N. Andreev.

RUSSIAN, per, Trudy Atlant., NIRO, Vol 10, 1963,
pp 283-291.

NLL Ref: 9022.15 (1212)

Sci/Mat
Feb 68

349,617

Oceanographic Conditions and Fishery in the
Gulf of Mexico in Autumn and Winter, by

Yu. A. Torin. 7 pp.

RUSSIAN, per, Trudy AtlantNIRO, No 11, 1964,
pp 4-11.

Dept of Inter

BCF/OFF

A-33/Nov 69/49

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Sci-Mar Sci
Jan 70

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400,255

The Composition of Ichthyofauna of the Gulf
of Mexico and Some Problems of Its Origin,
by V. V. Ovehinnikov.
RUSSIAN, per, Trudy AtlantNIRO, Vol 11, 1964,
pp 12-20.
*Dept of Navy N00 Trans 466

Sci-B&M
Oct 69

Hydrological Character of Water Masses in the
NE Coastal Sector of South America and the
Distribution of Commercial Concentrations of
Tuna, by V. A. Bryantsev.

RUSSIAN, per, Trudy AtlantNIBO, Vol 11, 1964,
pp 21-26.

*Dept of Navy NCO Trans 467

Sci-Ear Sci
Oct 69

Biology and Distribution of the Yellowfin Tuna
in the Tropical Part of Atlantic Ocean, by
V. L. Zharov.

RUSSIAN, per, Trudy AtlantNIRO, Vol 11, 1964,
pp 27-35.

*Dept of Navy N00 Trans 468

Sci-B&M
Oct 69

Application of the Queuing Theory in the
Selection of Layer for Tuna Fishing, by
Yu. F. Zharebnikov. 5 pp.

RUSSIAN, per, Trudy AtlantHIRO, No 12,
1964, pp 68-72.

Dept of Interior

Bureau of Commercial Fisheries

Office of Foreign Fisheries

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Nov 69

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Fishery Forecasting in the Norwegian Trench,
by K. M. Rudnev. 7 pp.
RUSSIAN, per, Trudy AtlantNIRO, No 13, 1964,
pp 22-28.

Dept of Interior
Bureau of Commercial Fisheries
Office of Foreign Fisheries
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On loan

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Nov 69

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Forecasting Yields of Downs Herring Years
Classes, by L. V. Shirokov. 6 pp.
RUSSIAN, per, Trudy AtlantNIRO, No 13, 1964,
pp 42-48.
Dept of Interior
Bureau of Commercial Fisheries
Office of Foreign Fisheries
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Sci-B&M
Dec 69

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Trudy Aviat Inst.

APPLICATION AND DESIGN OF DELAY SYSTEMS WITH
CELLS ARRANGED IN TWO FILMS IN FEE

KUZNETSOV M G LANGUAGE-FC COUNTRY-

AVIATIONNYY INSTITUT TRUDY NO 159 1964 PP 51
-65

FSTC-HT-25-1724-72

Properties of Water Dynamics in the Southeastern
Black Sea and the Distribution of Oceanographic
Elements, by V. A. Bibik.

RUSSIAN, per, Osobennosti Dinamiki Vod Yugo-
Vostochnoy Chasti Chernogo Morya i Raspredeleniye
Okeanografi-Cheskiikh Elementov. Trudy AzcherNIRO,
Vol 23, 1964, pp 23-32.

*Dept of Navy NOC tr 406

Sci/Bar Sci

Evaluation of the Chemical Basis of Biological Productivity in the Black Sea and Some Characteristics of Its Formation, by Ya. K. Gololobov.

RUSSIAN, per, Otsenka Sostoyaniya Khimicheskoy Bazy Biologicheskoy Produktivnosti Chernogo Morya I Nekotoryye Osobennosti Yeye Formirovaniya Trudy AzharNIRO, Vol 23, 1964, pp 33-48.

*Dept of Navy N00 tr 407

Sci/B & M
Apr 68

The Method of Studying Internal Waves in the
Black Sea, by Ya. K. Gololobov.
RUSSIAN, per, K Metodike Izucheniya Vnutrennikh
Voln V Chernom More. Trudy AzhuroNRO, Vol 23,
1964, pp 49-54.
*Dept of Navy NOO tr 408

Sci/Ear Sci
Apr 68

The Effect of Continental Runoff on the Development of Photo-plankton in the Northwestern Part of the Black Sea, by G. P. Mashtakova.
RUSSIAN, par, Trudy AkademiNIRO, Vol 23, 1964, pp 55-68.

*Dept of Navy HOO tr 409

Sci/Ear Sci
May 68

Seasonal Development and Distribution of Zoo-
plankton in the Northwestern Black Sea, by
S. A. Goromosova.

RUSSIAN, per, Trudy Azovskogo MORA, Vol 23, 1964,
pp 69-80.

*Dept of Navy N00 tr 410

Sci/Ear Sci
May 68

Seasonal Dynamics of Zooplankton in the North-
eastern Part of the Black Sea, by V. D. Brayka.
RUSSIAN, per, Trudy AscherNIRO, Vol 23, 1964,
pp 81-94.
*Dept of Navy NOO tr 411

Sci/Ear Sci
May 68

Dynamics of Zooplankton in the Southeastern Part
of the Black Sea, by A. I. Fedorina.

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pp 95-104.

*Dept of Navy NOO tr 412

Sci/Ear Sci
May 68

Intensity of Feeding of the Black Sea Anchovy
in Connection with Food Resources of the Water
Basin, by N. F. Taranenko.

RUSSIAN, per, Trudy Ancher NIRO, Vol 23, 1964,
pp 131-148.

*Dept of Navy N00 tr 413

Sci/B & M
Mar AR

The Status of Mulletts of the Crimean and
Caucasian Schools, by N. G. Timoshek.
RUSSIAN, per, Trudy AzcherNIRO, Vol 24,
1966, pp 97-104.
Dept of Navy NOO TRANS 417

Sci-B&M
July 69

385,289

Characterization of the Status of the
Black Sea Mackerel in 1952-1963, by
I. O. Tikhonov.
RUSSIAN, per, Trudy AzcherNIRO, Vol 24,
1966, pp 133-141.
Dept of Navy/NOO TRANS 418

Sci-B&M
Jly 69

388,685

Relation Between the Main Types of Nets
Used in the Lower Reaches of the Danube
and the Interests of Preserving the Stock
of Controlled Fishes, by Ye. Ye. Shapunov.
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1966, pp 163-182.
Dept of Navy/NOO TRANS 419

Sci-B&M
Aug 69

388,686

Fisheries Research of Azcher-NIRO in the North-
West Part of the Indian Ocean, by V. I. Travin,
39 pp.

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*CFSTI TT 62-59005

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Mar 69

Cracking of Methane to Hydrogen Acetylene and
Carbon Black, by V. F. Gerr, 12 pp.
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SLA TT 61-18096

Aug 66

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Stratification in an Oil-Soap-Water-Elec-
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